

Patent Claims

1. Backing material for medical purposes, characterized in that the backing material is a nonwoven overstitched by means of yarns and having an ultimate tensile stress strength of at least 10 N/cm and in that the backing material is coated partially or over its full area on at least one side with a doped adhesive composition.

2. Backing material for medical purposes, characterized in that the backing material is a nonwoven which is reinforced by the formation of stitches formed by loops from the fibres of the web, the ultimate tensile stress strength of the backing material being at least 10 N/cm, and in that the backing material is coated partially or over its full area on at least one side with a doped self-adhesive composition.

3. Backing material for medical purposes according to Claim 1 or 2, characterized in that the number of stitches on the web, in particular longitudinal stitches, is at least 3/cm, preferably from 5 to 50/cm.

4. Backing material for medical purposes according to Claim 1 or 2, characterized in that the backing material generates a compression force of from 0.2 N/cm to 10 N/cm at an elongation of from 20% to 70%.

5. Backing material for medical purposes according to Claim 1 or 2, characterized in that the backing material has a basis weight of up to 500 g/m<sup>2</sup>, preferably from 10 to 350 g/m<sup>2</sup>.

6. Backing material for medical purposes according to Claim 1 or 2, characterized in that the backing material is reinforced with one or more monofil, multifil, staple fibre or spun fibre yarns and/or with oriented high-strength fibres, the yarns and/or fibres having in particular a strength of at least 40 cN/tex.

7. Backing material for medical purposes according to Claim 7 ~~is it~~, characterized in that the backing material can be torn by hand perpendicular to the orientation of the stitches and/or in the direction of the stitches and/or perpendicular to the orientation of the reinforcement and/or in the direction of the reinforcement.

8. Backing material for medical purposes according to ~~at least one of the preceding claims~~, characterized in that the adhesive composition comprises the releasable active substance or substances in an amount of from 0.01 to 60% by weight, preferably from 0.1 to 20% by weight.

9. Backing material for medical purposes according to ~~at least one of the preceding claims~~, characterized in that the adhesive composition is a hot-melt adhesive composition.

10. Backing material for medical purposes according to ~~at least one of the preceding claims~~, characterized in that the adhesive composition has a dynamic-complex glass transition temperature at a frequency of 0.1 rad/s of less than 15°C, preferably from 3°C to -30°C, with very particular preference from -3°C to -25°C.

11. Backing material for medical purposes according to <sup>claim 1</sup>  
~~at least one of the preceding claims~~, characterized  
in that the adhesive composition was foamed.

5 12. Backing material for medical purposes according to <sup>claim 1</sup>  
~~at least one of the preceding claims~~, characterized  
in that the adhesive composition is applied  
partially to the backing material, especially by  
halftone printing, thermal screen printing, thermal  
10 flexographic printing or intaglio printing.

13. Backing material for medical purposes according to <sup>claim 1</sup>  
~~at least one of the preceding claims~~, characterized  
in that the adhesive composition has been sprayed  
15 on.

14. Backing material for medical purposes according to <sup>claim 1</sup>  
~~at least one of the preceding claims~~, characterized  
in that the adhesive composition is applied in the  
20 form of polygeometric domes to the backing  
material.

15. Backing material for medical purposes according to <sup>claim 1</sup>  
~~at least one of the preceding claims~~, characterized  
in that the adhesive composition is applied to the  
backing material with a weight per unit area of  
greater than 15 g/m<sup>2</sup>, preferably between 90 g/m<sup>2</sup>  
and 500 g/m<sup>2</sup>, with very particular preference  
between 130 g/m<sup>2</sup> and 500 g/m<sup>2</sup>.

16. Backing material for medical purposes according to <sup>claim 1</sup>  
~~at least one of the preceding claims~~, characterized  
in that the adhesive composition can be sterilized,  
preferably with  $\gamma$  (gamma) radiation.

17. Backing material for medical purposes according to

one or more of the preceding claims, characterized in that on the side opposite that coated with the self-adhesive composition, the backing material is finished with a water-repellent layer, impregnation, release layer and/or coating.

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18. Backing material for medical purposes according to one or more of the preceding claims, characterized in that at least one additional layer comprising sheets, foams or nonwovens is applied on the backing material.

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19. Backing material for medical purposes according to one or more of the preceding claims, characterized in that the backing material is coated with metallic substances by vapour deposition.

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20. Backing material for medical purposes according to one or more of the preceding claims, characterized in that the coated backing material is covered after application of the self-adhesive composition or is provided with a wound pad or with padding.

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